

Needs

- Facilitate better management of resources adjacent to the highway system.
- Give maintenance and construction managers tools that are useful.
- Provide an information database for managers and planners.



Needs

Accomplish mission within the constraints of "Key Environmental Regulations"

- Federal Endangered Species Act
- Clean Water Act
- National Environmental Policy Act
- National Forest Management Act







MERCRAPH
Mapping and GIS Solutions

Plan

- A team of maintenance managers, field staff, and environmental staff reviewed maintenance activity for potential impacts to water quality and developed best management practices (BMPs) to minimize those impacts.
- ■A similar team reviewed maintenance activities for impacts to habitat. This review looked at the impacts that specific maintenance activities could have on habitat and fishery resources that are listed as threatened or endangered under the Federal Endangered Species Act.







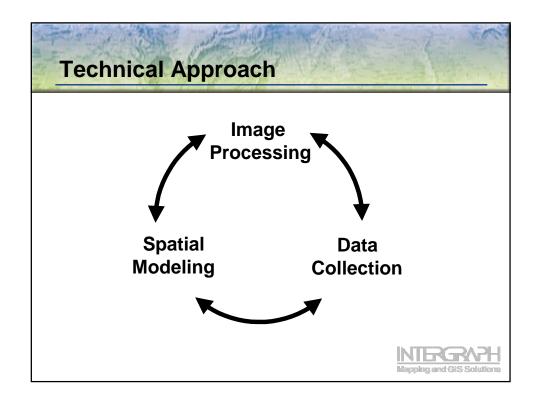
Objectives

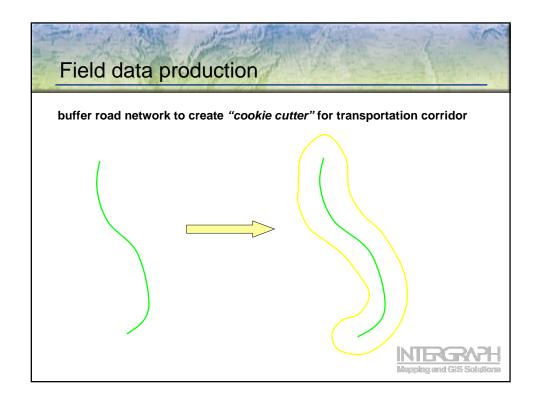
Provide information that will enable the agency to accomplish its goal of providing an effective transportation system, while actively protecting the environment.

Provide information to personnel that will minimize the potential for violations of the Federal Endangered Species Act or the Clean Water Act.

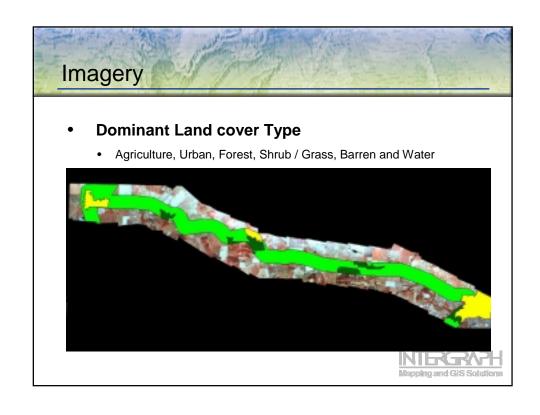
Provide information that will improve the ability to work with the National Marine Fisheries Service, the Department of Fish and Wildlife, the U. S. Fish and Wildlife Service, and the U. S. Army Corps of Engineers.

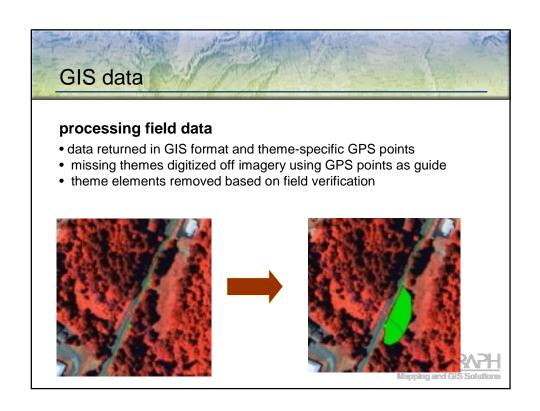


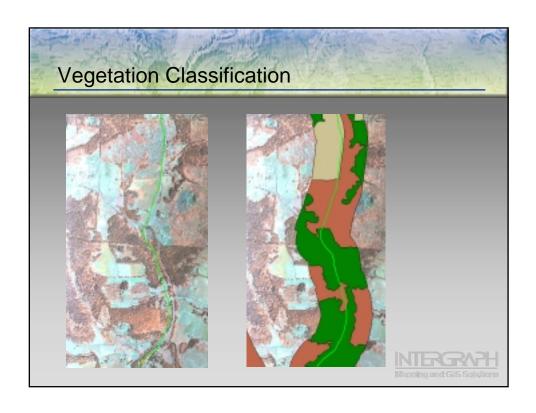


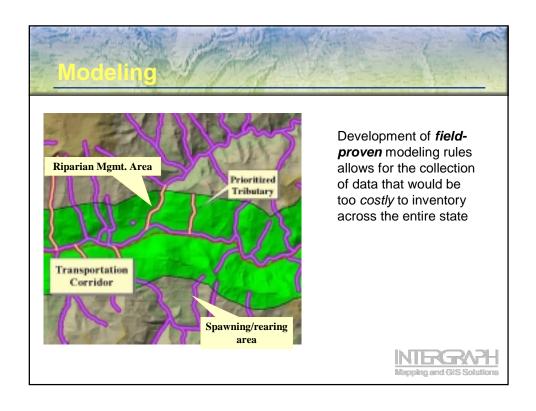


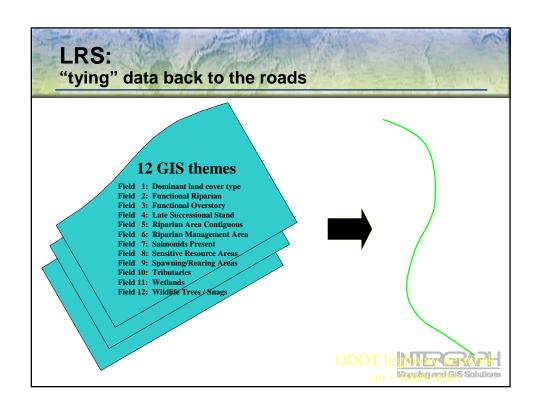




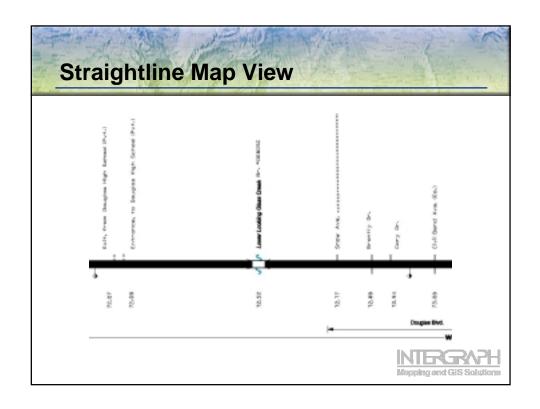


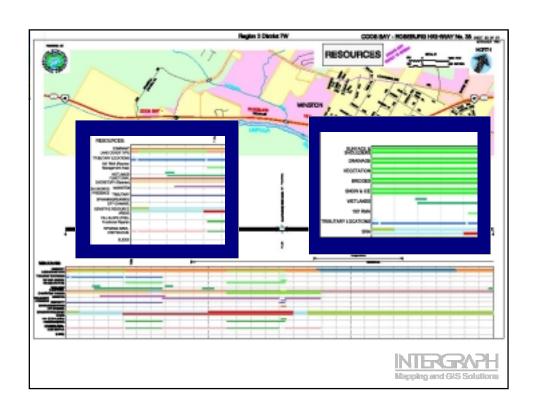






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Benefits

- •Management System that saved time and money
- •Used to modify Maintenance Management System to meet requirements of federal law.
- •Allowed agency to make decisions on daily maintenance activities without having to consult with Federal Agencies
- •Maps in maintenance vehicles



